



**7 Days' Workshop**  
on  
**Research Methods and Techniques**

11<sup>th</sup> -17<sup>th</sup> June, 2017

The Department of Economics, Mohanlal Sukhadia University, Udaipur is pleased to organize a 7 Days' Workshop on Research Methods and Techniques jointly with Pacific Academy of Higher Education and Research University in association with The Indian Econometric Society (TIES) and Rajasthan Economic Association (REA) from June 11 -17 June, 2017. The objective of the workshop is to provide the exhaustive knowledge of latest research techniques to young faculty members and research scholars of Social-Science, Commerce and Management. The renowned econometricians and scholars of the field would be invited as resource persons in the Workshop.

## **ABOUT THE DEPARTMENT**

The Department of Economics has been one of the oldest and major department of Mohanlal Sukhadia University since its year of establishment in 1964. The strong academic profile of department attract students from various streams in UG, Honours, PG (Semester and Annual Scheme), M.Phil. (Semester and Annual Scheme) and Ph.D. Programmes. The Mega Events organised by the department in last six years are 91<sup>st</sup> Annual Conference of IEA in 2008, 53<sup>rd</sup> Annual Conference of ISLE in 2011 and 97<sup>th</sup> IEA Conferece in 2014. The IEA Conference was inaugurated by Dr. Raghuram Rajan, Governor RBI. Dr. Y.V. Reddy, Dr Rakesh Mohan from IMF, Prof Sukhdeo Thorat, Chairman ICSSR also graced the occasion.

## **ABOUT MOHANLAL SUKHADIA UNIVERSITY**

Mohanlal Sukhadia University (NAAC accredited 'A' Grade State University) is one of the prestigious Universities of Rajasthan. Ever since its inception in 1962, it has been functioning as an important academic center and striving to maintain excellence in teaching, research and community services. Great emphasis has been laid in creating scientific temper, maintaining high ethical values and in keeping pace with emerging areas of higher learning. It is a multi-faculty university which presently consists of 4 constituent colleges, 33 departments and more than 300 affiliated colleges in the districts of Udaipur, Banswara, Chittorgarh, Dungarpur, Pratapgarh, Rajsamand and Sirohi with more than 2.25 lakh enrolled students. The University celebrated its Golden Jubilee in 2012. All the Departments are continuously organizing Extension lectures, National / International Seminars and conferences every year. University has ensured overall socio-economic growth of all the sections of society by encouraging greater access and inclusive approach making it most preferred institution for higher education, learning and research in Southern Rajasthan. University can take the pride in having ICT enabled working in most of its functional units involved in teaching, learning, research, administration and governance. A very strong infrastructure for e-libraries has enhanced academic growth of the faculty and students.

Regular review of existing courses and introduction of new courses of current national and international relevance have been a major activity of the university to produce human resource which is more skilled and employable. Emphasis has been laid on inter-disciplinary and emerging technologies. To maintain high quality, the teaching and learning processes have been made more rigorous and effective. Evaluation process has been made more transparent and credible.

## **ABOUT PACIFIC UNIVERSITY**

The Pacific University has made a mark on the educational map of India. Over the last 19 years, the Pacific Society has continued to make rapid strides in the field of higher & technical education. It has established more than twenty one institutes and become a multi-disciplinary conglomeration of colleges providing higher education in the diverse fields of Science, Engineering, Arts, Management, Dentistry, Pharmacy, Hotel Management, Commerce etc. and Research Programmes in all relevant disciplines. Pacific University has ultra modern campus sprawling over more than 100 acres of lush greenery, including state of the art classrooms, separate hostels for boys and girls, laboratories, and libraries.

The university has the distinction of grooming best talent, employable worldwide. The laurels being earned by its students in various all India competitions across the country vouch for the quality of teaching learning on its campus. These laurels include the three times all India championship in business simulation and all India championship in business plan development, case writing contents, android application contests and so on. The university has been making pioneering endeavors in developing frugal Engineering in a big way in the country, integrating ethics in education, evolving the concept of virtual corporation on the campus, developing intellectual property practices, enriching family business management, promoting industry cluster studies and simulating thoughts on re-engineering the global financial architecture etc.

## ABOUT TIES

The Indian Econometric Society (TIES) is one of the most highly regarded associations of intellectuals and academicians in India and is known for the high-quality research output at both national & international levels. It is one of the oldest and largest bodies of professional econometricians and quantitative economists formed in the year 1960 with more than 2000 members from all over India and abroad. TIES organises an annual conference where experts from all over India and abroad participate and deliberate on various issues.

## ABOUT REA

The Rajasthan Economic Association (REA) is amongst the oldest, the largest and the only state association of professional economists in Rajasthan. It is a registered body since 1968 under the Rajasthan Societies Registration Act, 1958 with the objective of providing a forum to debate and discuss theoretical and real-life economic issues. It has life members from various categories and from all parts of Rajasthan and India. The REA has been organising annual conferences, seminars and workshops to undertake and promote the study of economics. It also publishes a biannual journal "Rajasthan Economic Journal".

## ABOUT UDAIPUR CITY

Udaipur, the beautiful city of Rajasthan, is a lovely land around the azure water lakes, hemmed in by the lush hills of the Aravalis. Udaipur is a fascinating blend of sights, sounds and experiences so undoubtedly a dream destination for tourists. Every year, thousands of tourists come from all over the globe to visit this city. Udaipur is easily accessible from all the major cities of India. It is often called the "Venice of the East" and is also known as "Lake City" or "City of Lakes". Udaipur is the jewel of Mewar - a kingdom ruled by the Sisodia dynasty for 1200 years. The city is known for the bravery and valour of its Rajput rulers. The historic battle of Haldighati between Maharana Pratap & Akbar is its unparalleled example. The economy of Udaipur is traditionally based on tourism, handicrafts & artifacts, and mining. It is famous for its exquisite palaces, temples and gardens, which make it a favourite tourist destination across the world. Udaipur is also the centre for performing arts, crafts and its famed miniature paintings. The Shilpgram festival is a great crowd-puller in Last week of December every year.

Udaipur is well connected by air, train and road network with the rest of the country. There are direct train services to and from New Delhi, Ahmadabad, Jaipur, Agra, Gwalior and Indore. Udaipur is well connected by air with New Delhi, Mumbai and Kolkata. Both government and private buses ply from Udaipur to all the major states of India.

## ABOUT THE WORKSHOP

The research methodology course for scholars and academicians in commerce, management and social science is expected to cover the basics of research methodology focusing on theoretical and practical inputs. Specifically the formulation of the research problem, formulation of the research hypothesis and testing of hypothesis, conducting a literature review, data collection methods, selection of appropriate parametric or nonparametric statistical method for analysing data, and report writing. Apart from this, the workshop will give a practical exposure to participants about the business and economic modelling. Tentative Areas (Revised) to be covered during the workshop are-i) Introduction to research, concept mapping and formulation of research problem ii) Types of Research Design - Introduction to quantitative & qualitative research and tools & techniques/methodology for primary data collection iii) Sampling Methodology and properties of data and measurement issues iv) Statistical Techniques – Descriptive Statistics (Measure of Central Tendency, Dispersion, Correlation and Regression), Probability theory and probability distributions, and testing of hypothesis (parametric and nonparametric test) – Focus on how to measure, analyze and interpret the tools and results v) Multivariate Analysis – Analysis of Variance, Covariance, Regression Analysis, Factor Analysis and PCA vi) Descriptive analysis and hands-on exercise through MS Excel and SPSS vii) Business and Financial modeling

## REGISTRATION

The interested participants are required to apply by duly filled in registration form. **No TA and DA will be paid to the participants.** The Department will arrange their boarding and lodging on first come first serve basis. The last date for receiving registration form is May 31<sup>st</sup>, 2017. The number of seats are limited to 20-30 to out station and local participants respectively. There will be no on the spot registration. The out station participants will be informed about their selection as soon as we get their filled in registration form and fee (till the seats are filled). Accompanying members are not allowed. The stay arrangements of participants will be made at University Guest Houses (Old and New campus). The Participants are requested to reach by 10<sup>th</sup> evening or in the morning of 11<sup>th</sup> June 2017 by their own. The University campus is 4-5 km from railway station and bus stand. Pre paid taxi services are available at airport.

## REGISTRATION FEE

- For Out Station Participants** : **Rs 2000/- (It includes lodging facility, food and Kit )**  
**For Local Participants** : **Rs 1000/-(It includes working lunch and kit )**  
**Last Date for Registration** : **31<sup>st</sup> May, 2017**

**ALL THE PARTICIPANTS ARE REQUIRED TO BRING THEIR LAPTOPS WITH THEM.**

The registration fee will have to be sent through DD payable at Udaipur in the name of Director, Research Methodology Workshop, MLS University, Udaipur. Online payments can also be made in the SB account no 4721000100033904 of Punjab National Bank, University Road ,Udaipur, IFSC Code PUNB0472100 in the name of Director, Research Methodology Workshop, MLS University, Udaipur.

Also mail the Scanned Copy of Registration Form and Online Payment Slip to e-mail: **rmworkshop.udaipur2017@gmail.com.**

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Mohanlal Sukhadia University, Udaipur

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UCSSH, MLS University, Udaipur, Rajasthan-313001  
Mob.: 9414158614

**Dr. Neha Paliwal**

Co-Director, RM Workshop &  
Assistant Professor, Department of Economics,  
UCSSH, MLS University, Udaipur, Rajasthan-313001  
Mob.: 9829858589

# 7 Days' Workshop on Research Methods and Techniques

11<sup>th</sup> -17<sup>th</sup> June, 2017

## REGISTRATION FORM

Name in Full : \_\_\_\_\_  
(BLOCK LETTERS)

Gender : Male Female

Designation : \_\_\_\_\_

Institution : \_\_\_\_\_

Postal Address : \_\_\_\_\_

E-mail ID : \_\_\_\_\_

Phone No : (O) \_\_\_\_\_ (R) \_\_\_\_\_

Mobile No : \_\_\_\_\_

Free Accommodation required : Yes No

Date & Time of Arrival : \_\_\_\_\_

Date & Time of Departure : \_\_\_\_\_

Registration Fee Details : Amount Rs. \_\_\_\_\_

DD No. : \_\_\_\_\_ Name of Bank : \_\_\_\_\_

NEFT Details : \_\_\_\_\_

(DD payable at Udaipur in the name of Director, Research Methodology Workshop, MLS University, Udaipur. Online payments can also be made in the SB account no 4721000100033904 of Punjab National Bank, University Road ,Udaipur, Rajasthan, IFSC Code -PUNB0472100 in the name of Director, Research Methodology Workshop, MLS University, Udaipur. Also mail the Scanned Copy of Registration Form and Online Payment Slip to [rmworkshop.udaipur2017@gmail.com](mailto:rmworkshop.udaipur2017@gmail.com).)

Place : \_\_\_\_\_

Date : \_\_\_\_\_

*Signature*

# 7 Days' Workshop On Research Methods and Techniques (11<sup>th</sup> -17<sup>th</sup> June, 2017)

## Detailed Tentative Workshop Schedule

| <b>Day 01 (June 11, 2017)</b> | <b>Session</b> | <b>Description</b>  |
|-------------------------------|----------------|---|
| 9:30 AM – 11:00 AM            | Session I      | Introductory Session  |
| 11:15 AM – 12:45 PM           | Session II     | Concept Mapping and Formulation of Research Problem   |
| 1:45 PM – 3:15 PM             | Session III    | Types of Research Design and its Functions  |
| 3:30 PM – 5:00 PM             | Session IV     | Introduction to Qualitative Research  |
| <b>Day 02 (June 12, 2017)</b> |                | <b><i>Sampling Method and Properties of Data and Measurement Issues</i></b>   |
| 9:30 AM – 11:00 AM            | Session I      | Introduction to Quantitative Research   |
| 11:15 AM – 12:45 PM           | Session II     | Tools and Techniques for Primary Data Collection  |
| 1:45 PM – 3:15 PM             | Session III    | Tools and Techniques for Secondary Data Collection  |
| 3:30 PM – 5:00 PM             | Session IV     | Sampling Design and Measurement & Scaling   |
| <b>Day 03 (June 13, 2017)</b> |                | <b><i>Sampling Method and Properties of Data and Measurement Issues</i></b>   |
| 9:30 AM – 11:00 AM            | Session I      | Properties of Data  |
| 11:15 AM – 12:45 PM           | Session II     | Measurement Issues – Multi Collinearity, Autocorrelation  |
| 1:45 PM – 3:15 PM             | Session III    | Homoscedasticity, Outliers and usage of Dummy Variables   |
| 3:30 PM – 5:00 PM             | Session IV     | Descriptive Statistics (measure of central tendency, dispersion, skewness, Kurtosis, Correlation, Regression)               |
| <b>Day 04 (June 14, 2017)</b> |                | <b><i>Data Measurement and Descriptive Statistics</i></b>   |
| 9:30 AM – 11:00 AM            | Session I      | Probability Distribution and its Application  |
| 11:15 AM – 12:45 PM           | Session II     | Probability Distribution and its Application  |
| 1:45 PM – 3:15 PM             | Session III    | Testing of Hypothesis (Parametric Test) – T, Z, F and Chi-test  |
| 3:30 PM – 5:00 PM             | Session IV     | Testing of Hypothesis (Non-Parametric Test)   |
| <b>Day 05 (June 15, 2017)</b> |                | <b><i>Data Measurement and Descriptive Statistics</i></b>   |
| 9:30 AM – 11:00 AM            | Session I      | Analysis of Variance (Anova) and its Application  |
| 11:15 AM – 12:45 PM           | Session II     | Analysis of Covariance (Ancova) and its Application   |
| 1:45 PM – 3:15 PM             | Session III    | Cluster Analysis  |
| 3:30 PM – 5:00 PM             | Session IV     | Discriminant Analysis   |
| <b>Day 06 (June 16, 2017)</b> |                | <b>Multivariate Data Analysis</b>   |
| 9:30 AM – 11:00 AM            | Session I      | Factor Analysis   |
| 11:15 AM – 12:45 PM           | Session II     | Principal Component Analysis (PCA)  |
| 1:45 PM – 3:15 PM             | Session III    | Regression Analysis   |
| 3:30 PM – 5:00 PM             | Session IV     | Regression Analysis   |
| <b>Day 07 (June 17, 2017)</b> |                | <b>Business/ Market and Financial Modeling</b>  |
| 9:30 AM – 11:00 AM            | Session I      | Business Modeling and its Application   |
| 11:15 AM – 12:45 PM           | Session II     | Financial Modeling and its Application  |
| 1:45 PM – 3:15 PM             | Session III    | Hands on session on Modeling  |
| 3:30 PM – 5:00 PM             | Session IV     | Valedictory Session   |
| <b>All Days</b>               |                | <b>Practical Application and Hands On Sessions on Data Handling, Analyzing and Interpretation through MS Excel and SPSS</b> |